

Full Voltage, Non-Reversing Starters, with Bimetallic or Electronic Overload

Frame B



Three-Pole Starters, Frame B—Maximum UL/CSA Ratings ^①

Single-Phase hp Ratings		Three-Phase hp Ratings				Auxiliary Contacts	Catalogue Number ^{②③}
115V	230V	200V	230V	460V	575V		
1/4	1	1-1/2	2	3	5	1NO	XTAE007B10_ _
1/4	1	1-1/2	2	3	5	1NC	XTAE007B01_ _
1/2	1-1/2	3	3	5	7-1/2	1NO	XTAE009B10_ _
1/2	1-1/2	3	3	5	7-1/2	1NC	XTAE009B01_ _
1	2	3	3	10 ^④	10	1NO	XTAE012B10_ _
1	2	3	3	10 ^④	10	1NC	XTAE012B01_ _
1	3	5	5	10 ^④	10	1NO	XTAE015B10_ _
1	3	5	5	10 ^④	10	1NC	XTAE015B01_ _

Three-Pole Starters, Frame B—Maximum IEC Ratings ^①

AC-3 I _e (A)	AC-1	Three-Phase Motors 50–60 Hz				Auxiliary Contacts	Catalogue Number ^{②③}
		220/230V	380/400V	415V	660/690V		
7	20	2.2	3	4	3.5	1NO	XTAE007B10_ _
7	20	2.2	3	4	3.5	1NC	XTAE007B01_ _
9	20	2.5	4	5.5	4.5	1NO	XTAE009B10_ _
9	20	2.5	4	5.5	4.5	1NC	XTAE009B01_ _
12	20	3.5	5.5	7	6.5	1NO	XTAE012B10_ _
12	20	3.5	5.5	7	6.5	1NC	XTAE012B01_ _
15.5	20	4	7.5	8	7	1NO	XTAE015B10_ _
15.5	20	4	7.5	8	7	1NC	XTAE015B01_ _

Frame C



Three-Pole Starters, Frame C—Maximum UL/CSA Ratings ^①

Single-Phase hp Ratings		Three-Phase hp Ratings				Auxiliary Contacts	Catalogue Number ^{②③}
115V	230V	200V	230V	460V	575V		
2	3	5	5	10 ^④	15	1NO	XTAE018C10_ _
2	3	5	5	10 ^④	15	1NC	XTAE018C01_ _
2	5	7-1/2	7-1/2	15	20	1NO	XTAE025C10_ _
2	5	7-1/2	7-1/2	15	20	1NC	XTAE025C01_ _
3	5	10	10	20	25	1NO	XTAE032C10_ _
3	5	10	10	20	25	1NC	XTAE032C01_ _

Three-Pole Starters, Frame C—Maximum IEC Ratings ^①

AC-3 I _e (A)	AC-1	Three-Phase Motors 50–60 Hz				Auxiliary Contacts	Catalogue Number ^{②③}
		220/230V	380/400V	415V	660/690V		
18	35	5	7.5	10	11	1NO	XTAE018C10_ _
18	35	5	7.5	10	11	1NC	XTAE018C01_ _
25	40	7.5	11	14.5	14	1NO	XTAE025C10_ _
25	40	7.5	11	14.5	14	1NC	XTAE025C01_ _
32	40	10	15	18	17	1NO	XTAE032C10_ _
32	40	10	15	18	17	1NC	XTAE032C01_ _

Notes

- ① Products shown are with the bimetallic overload relay.
- ② Underscore (_) indicates magnet coil suffix required. See Page V5-T1-55.
- ③ Underscore (_) indicates overload relay suffix required. See Page V5-T1-56.
- ④ For electrical life contactor application data. See Page V5-T1-55.

Frame D

**Three-Pole Starters, Frame D—Maximum UL/CSA Ratings** ①

Single-Phase hp Ratings		Three-Phase hp Ratings				Auxiliary Contacts	Catalogue Number (2)(3)
115V	230V	200V	230V	460V	575V		
3	7-1/2	10	15	30	40	—	XTAE040D00_ _
3	10	15	20	40	50	—	XTAE050D00_ _
5	15	20	25	50	60	—	XTAE065D00_ _

Three-Pole Starters, Frame D—Maximum IEC Ratings ①

AC-3 I _e (A)	AC-1	Three-Phase Motors 50–60 Hz				Auxiliary Contacts	Catalogue Number (2)(3)
		220/230V	380/400V	415V	660/690V		
40	50	12.5	18.5	24	23	—	XTAE040D00_ _
50	60	15.5	22	30	30	—	XTAE050D00_ _
65	72	20	30	39	35	—	XTAE065D00_ _

Frame F

**Three-Pole Starters, Frame F—Maximum UL/CSA Ratings** ①

Single-Phase hp Ratings		Three-Phase hp Ratings				Auxiliary Contacts	Catalogue Number (2)(3)
115V	230V	200V	230V	460V	575V		
7-1/2	15	25	30	60	75	—	XTAE080F00_ _
7-1/2	15	25	40	75	100	—	XTAE095F00_ _

Three-Pole Starters, Frame F—Maximum IEC Ratings ①

AC-3 I _e (A)	AC-1	Three-Phase Motors 50–60 Hz				Auxiliary Contacts	Catalogue Number (2)(3)
		220/230V	380/400V	415V	660/690V		
80	110	25	37	48	63	—	XTAE080F00_ _
95	110	30	45	57	75	—	XTAE095F00_ _

Frame G

**Three-Pole Starters, Frame G—Maximum UL/CSA Ratings** ①

Single-Phase hp Ratings		Three-Phase hp Ratings				Auxiliary Contacts	Catalogue Number (2)(3)
115V	230V	200V	230V	460V	575V		
10	25	40	50	100	125	—	XTAE115G00_ _
15	30	40	60	125	125	—	XTAE150G00_ _

Three-Pole Starters, Frame G—Maximum IEC Ratings ①

AC-3 I _e (A)	AC-1	Three-Phase Motors 50–60 Hz				Auxiliary Contacts	Catalogue Number (2)(3)
		220/230V	380/400V	415V	660/690V		
115	160	37	55	70	105	—	XTAE115G00_ _
150	160	48	75	91	125	—	XTAE150G00_ _

Notes

- ① Products shown are with the bimetallic overload relay.
 ② Underscore (_) indicates magnet coil suffix required. See Page V5-T1-55.
 ③ Underscore (_) indicates overload relay suffix required. See Page V5-T1-56.

Full Voltage, Reversing Starters, with Bimetallic or Electronic Overload

Reversing Starters with Screw Terminals, Frame B—Maximum UL/CSA Ratings

Single-Phase hp Ratings		Three-Phase hp Ratings				Catalogue Number ①②
115V	230V	200V	230V	460V	575V	
1/4	1	1-1/2	2	3	5	XTAR007B21__
1/2	1-1/2	3	3	5	7-1/2	XTAR009B21__
1	2	3	3	10	10	XTAR012B21__

Reversing Starters with Screw Terminals, Frame B—Maximum IEC Ratings

AC-3 I _e (A)	Three-Phase Motors 50–60 Hz				Catalogue Number ①②
	220/230V	380/400V	415V	660/690V	
7	2.2	3	4	3.5	XTAR007B21__
9	2.5	4	5.5	4.5	XTAR009B21__
12	3.5	5.5	7	6.5	XTAR012B21__

Reversing Starters with Screw Terminals, Frame C—Maximum UL/CSA Ratings

Single-Phase hp Ratings		Three-Phase hp Ratings				Catalogue Number ①②
115V	230V	200V	230V	460V	575V	
2	3	5	5	10	15	XTAR018C21__
2	5	7-1/2	7-1/2	15	20	XTAR025C21__
3	5	10	10	20	25	XTAR032C21__

Reversing Starters with Screw Terminals, Frame C—Maximum IEC Ratings

AC-3 I _e (A)	Three-Phase Motors 50–60 Hz				Catalogue Number ①②
	220/230V	380/400V	415V	660/690V	
18	5	7.5	8	11	XTAR018C21__
25	7.5	11	14.5	14	XTAR025C21__
32	10	15	18	17	XTAR032C21__

Reversing Starters with Screw Terminals, Frame D—Maximum UL/CSA Ratings

Single-Phase hp Ratings		Three-Phase hp Ratings				Catalogue Number ①②
115V	230V	200V	230V	460V	575V	
3	7-1/2	10	15	30	40	XTAR040D11__
3	10	15	20	40	50	XTAR050D11__
5	15	20	25	50	60	XTAR065D11__

Reversing Starters with Screw Terminals, Frame D—Maximum IEC Ratings

AC-3 I _e (A)	Three-Phase Motors 50–60 Hz				Catalogue Number ①②
	220/230V	380/400V	415V	660/690V	
40	12.5	18.5	24	23	XTAR040D11__
50	15.5	22	30	30	XTAR050D11__
65	20	30	39	35	XTAR065D11__

Notes

① Underscore () indicates magnet coil suffix required. See Page V5-T1-55.

② Underscore () indicates overload relay suffix required. See Page V5-T1-56.

Starter Application Data ①

Catalogue Prefix	AC-3	Electrical Life (Operations)
XTAE012B	12A	1 million
XTAE015B	15A	1.2 million
XTAE018C	18A	2 million

Magnet Coil Suffix

Coil Voltage	Suffix Code
Frames A–B	
110V 50 Hz, 120V 60 Hz	A
220V 50 Hz, 240V 60 Hz	B
230V 50 Hz	F
24V 50/60 Hz	T
24 Vdc	TD
415V 50 Hz, 480V 60 Hz	C
600V 60 Hz	D
208V 60 Hz	E
190V 50 Hz, 220V 60 Hz	G
240V 50 Hz, 277V 60 Hz	H
380V 50 Hz, 440V 60 Hz	L
400V 50 Hz	N
380V 60 Hz	P
12V 50/60 Hz	R
42V 50 Hz, 48V 60 Hz	W
48V 50 Hz	Y
120 Vdc	AD
220 Vdc	BD
12 Vdc	RD
48 Vdc	WD

Coil Voltage	Suffix Code
Frames C–F	
110V 50 Hz, 120V 60 Hz	A
220V 50 Hz, 240V 60 Hz	B
230V 50 Hz	F
24V 50/60 Hz	T
24–27 Vdc	TD
415V 50 Hz, 480V 60 Hz	C
600V 60 Hz	D
208V 60 Hz	E
190V 50 Hz, 220V 60 Hz	G
240V 50 Hz, 277V 60 Hz	H
380V 50 Hz, 440V 60 Hz	L
400V 50 Hz	N
380V 60 Hz	P
12V 50/60 Hz	R
42V 50 Hz, 48V 60 Hz	W
48V 50 Hz	Y
110–130 Vdc	AD
200–240 Vdc	BD
48–60 Vdc	WD

Coil Voltage	Suffix Code
Frame G	
100–120V 50/60 Hz	A
190–240V 50/60 Hz	B
24V 50/60 Hz	T
24–27 Vdc	TD
480–500V 50/60 Hz	C
380–440V 50/60 Hz	L
42–48V 50/60 Hz	W
110–130 Vdc	AD
200–240 Vdc	BD
48–60 Vdc	WD
Frame H	
100–120V 50/60 Hz	A
190–240V 50/60 Hz	B
480–500V 50/60 Hz	C
380–440V 50/60 Hz	L
24V 50/60Hz	T
42–48V 50/60Hz	W
110–130 Vdc	AD
200–240 Vdc	BD
24–27 Vdc	TD
48–60 Vdc	WD

Coil Voltage	Suffix Code
Frames L–N	
110–250 Vdc 40–60 Hz	A
250–500V 40–60 Hz	C
48–110 Vdc 40–60 Hz	Y
24–48 Vdc	TD ②
Frames L–M, S-Series	
110–120V 50/60 Hz	A
220–240V 50/60 Hz	B
Frames P–R	
230–250 Vdc 50–60 Hz	B

Notes① See **Page V5-T1-113** for electrical life curves.

② Frames L–M only.